



Jesus Vazquez  
#B-13 Alameda St.  
Sta. Juanita Urbanization  
Bayamon, Puerto Rico 00956

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OCT 24 2002  
TECHNOLOGY CENTER R3700

Commissioner of Patents and Trademarks  
Washington, D.C. 20231

10/17/02

Attention: Mr. Michael Koczo Jr.

Reference # 09/173,828

Dear Mr. Koczo

Thank you for the kind attention and consideration that you have expressed to me through our communications.

In response to your office communication dated April 17, 2002 I submit the following documents.

I take this opportunity to certify that no new matter was added to this communication.

Corrected claims, I have corrected the claims to the best of my ability and tried to be as definitive as I can be with regards to claiming the subject matter that I regard as my invention. I also eliminated almost half the claims from the original 36 to just 19.

Drawings, I have corrected the drawings as per your specifications I have hatched figures 1 and 2. Also as you requested I have also included drawings that show how the valve is controlled (figs.31-37).

Specifications, as per your request I have double spaced the lines on page 5 and 6 and corrected the specifications that read that figure 17 was a color rendition to read that it is a monochromatic rendition.

Arrangement of Specifications I have utilized the instructions on page 3 of your office action to rearrange my specifications as outlined in said instructions.

Claims, I have amended and included the words twice amended next to the number of each such claim. The claims were corrected to show how the valve controls itself and is controlled in other embodiments considering that the force of the flow over the valve pressures it closed while the surface of the rotor and the gradient of the sloped piston back force it in the opposite

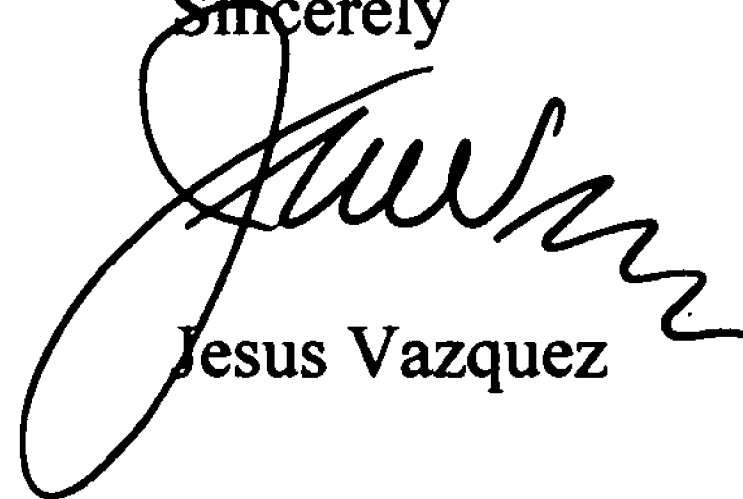
direction the device would function with external valve control. Other claims cover the other simpler forms of external valve control.

Some other unique aspects of the invention are

- A. Dynamic displacement it's ability to combine the effects of the positive displacement of a conventional reciprocating or rotary device with the dynamic effect of a turbine.
- B. It's compound cycles such as passive compression a form of compression that does not use power from the engine but rather uses the passive expansion of ignited gases to compress the mixture.
- C. Simultaneous cycling events (intake, compression, power of ignition and exhaust or evacuation) every revolution is powered
- D. Continuous combustion.
- E. Truly rotary function unlike the eccentric rotation of the Wankel engine.

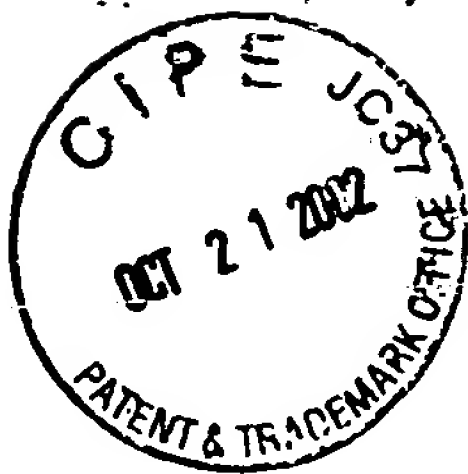
I have also take the liberty of enclosing and up to date list of the reference numerals. Thanking you again for your kind and enlightening cooperation and help I remain,

Sincerely



Jesus Vazquez

P.S. Enclose A money order  
# 87282983546 for late  
Fees \$460<sup>00</sup>/<sub>100</sub> Jr



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Assistant Commissioner of Patents  
Washington, D.C. 20231

October 17, 2002

Dear Sirs

Ref # 09/173,828

I hereby certify that this correspondence is being deposited with the  
United States Postal Service with sufficient postage as first class mail in an  
envelope addressed to:

Assistant Commissioner for Patents Washington, D.C. 20231

Jesus Vazquez

Date October 17, 2002

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